

REMARKS

In response to the Examiner's Action mailed June 26, 2003, the Applicants respectfully request reconsideration of rejected claims in view of the following remarks. Claims 9-13 and 27 are allowed. Claims 18, 19, 22-24, 36 and 37 are rejected. Claims 36 and 37 have been amended to address rejections made under §112 First and Second Paragraphs. All other Claims are canceled.

I. Rejections to Claims 18, 19, 22-24, 36 and 37 Under §112 First Paragraph

The Examiner rejected 18, 19, 22-24, 36 and 37 Under §112 First Paragraph as containing subject matter which was not described in the specification in such a way as to enable one of ordinary skill in the art to make or use the invention.

Regarding Claim 36, the Examiner asserts that the disclosure fails to reveal vector manipulation especially regarding outer product practice where the vectors are in different dimensional space. In response and as discussed with the Examiner in a telephone interview on August 5, 2003, the phrases "for $i = 1, 2, \dots m$ " and "for $j = 1, 2, \dots n$ " have been removed from Lines 2-3 and 6-8 of the claim. Whereas the basis for the §112 First paragraph has been removed, the Applicants therefore request the Examiner to pass this claim to issue.

Regarding Claim 37, the Examiner asserts that the summation of outer products, represented by T_{ij} , is not disclosed, and therefore causes a new matter rejection. In response, as also discussed in the telephone interview of August 5, 2003, the support for obtaining the sum of outer product $V_i^* V_j^*$ as recited in Claim 37 include Page 6 Line 18 and Page 46 Line 9. Therefore, the Applicants maintain that the specification supports Claims 37, and respectfully request the Examiner to remove

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